Petition for One-Month Extension of Time, Statement of Substance of Interview Under

37 C.F.R. § 1.133 & Amendment Under

37 C.F.R. §1.111, Dated: January 7, 2005

AMENDMENT

The listing of claims will replace all prior versions and listings of claims in the

Application. Please amend the claims as follows:

Listing of Claims:

1. (Withdrawn) A hydrogel for use in the treatment of arthritis, symptoms

associated therewith, or arthritis and symptoms associated therewith, said hydrogel

comprising about 0.5 to 25% by weight polyacrylamide, based on the total weight of the

hydrogel.

2. (Withdrawn) The hydrogel according to claim 1, which is made by combining

acrylamide and methylene bis-acrylamide in a molar ratio of 150:1 to 1000:1.

3. (Withdrawn) The hydrogel according to claim 1, comprising less than 15% by

weight polyacrylamide, based on the total weight of the hydrogel.

4. (Withdrawn) The hydrogel according to claim 3 comprising at least 1% by weight

polyacrylamide, based on the total weight of the hydrogel.

5. (Withdrawn) The hydrogel according to claim 1 further comprising at least 75%

by weight pyrogen-free water or saline solution.

6. (Withdrawn) The hydrogel according to claim 1 further comprising at least 90%

by weight pyrogen-free water or saline solution.

7. (Withdrawn) The hydrogel according to claim 1 having a complex viscosity of 2

to 25 Pas.

8. (Withdrawn) The hydrogel according to claim 1 having a complex viscosity less

than 25 Pa s and an elasticity modulus less than 200 Pa.

Claims 9.-16. (Cancelled)

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17. (*Currently Amended*) A method of treating arthritis, symptoms associated therewith, or arthritis and symptoms associated therewith for replacing, mimicking or augmenting a function of cartilage, synovial fluid or both comprising administering an endoprosthesis to a joint in a mammal, wherein said endoprosthesis comprises a hydrogel to a mammal, said hydrogel comprising 0.5% to 25% by weight polyacrylamide, based on the total weight of the hydrogel.

- 18. (*Currently Amended*) The method according to claim 17, wherein the hydrogel is obtained by a process comprising combining acrylamide and methylene bis-acrylamide in a molar ratio of 150:1 to 1000:1.
- 19. (*Previously Presented*) The method according to claim 17, wherein the hydrogel comprises less than 15% by weight polyacrylamide, based on the total weight of the hydrogel.
- 20. (*Previously Presented*) The method according to claim 19, wherein the hydrogel comprises at least 1% by weight polyacrylamide, based on the total weight of the hydrogel.
- 21. (*Previously Presented*) The method according to claim 17, wherein the hydrogel has a complex viscosity of about 2 to 25 Pa s.
- 22. (*Previously Presented*) The method according to claim 17, wherein the hydrogel further comprises at least 75% by weight pyrogen-free water or saline solution.
- 23. (*Previously Presented*) The method according to claim 17, wherein the hydrogel comprises at least 80% by weight pyrogen-free water or saline solution.
- 24. (*Currently Amended*) The method according to claim 17, wherein the administering comprises injecting the hydrogel into the <u>an</u> intra-articular cavity of a <u>the</u> joint.

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- 25. (*Previously Presented*) The method according to claim 17, wherein the hydrogel is radio–labeled and the administering may be monitored by visualization.
- 26. (*Previously Presented*) The method according to claim 24, further comprising administering hydrogel injections to excessively stressed areas of the intra-articular cavity.
- 27. (Withdrawn) A prosthetic device for the treatment of arthritis, symptoms associated therewith, or arthritis and symptoms associated therewith, wherein the device comprises a polyacrylamide hydrogel comprising 0.5 to 25% by weight polyacrylamide, based on the total weight of the hydrogel, said device administered to the intra-articular cavity of joint.
- 28. (*Withdrawn*) The prosthetic device according to claim 27, wherein the hydrogel further comprises at least 75% by weight pyrogen-free water or saline solution.
- 29. (*Withdrawn*) A prosthetic device for augmenting or replacing cartilage in the intra-articular cavity of a joint, said device comprises a polyacrylamide hydrogel comprising about 0.5 to 25% by weight polyacrylamide, based on the total weight of the hydrogel.
- 30. (*Withdrawn*) The prosthetic device according to claim 27, wherein the hydrogel further comprises at least 75% by weight pyrogen-free water or saline solution.
- 31. (*Withdrawn*) The prosthetic device according to claim 27, implanted or injected into an intra-articular cavity of a joint.
- 32. (*Withdrawn*) The prosthetic device according to claim 27, wherein the device is implanted and surface treated.

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33. (Withdrawn) The prosthetic device according to claim 27, wherein the joint is

selected from the group consisting of a knee joint, a hip joint; and the metacarpal-

phalangeal and interphalangeal joints in hands and feet.

34. (Withdrawn) The prosthetic device according to claim 27, wherein the hydrogel

is radio-labelled.

Claim 35. (Cancelled)

36. (Previously Presented) The method according to claim 17, wherein the hydrogel

comprises at least 75% by weight pyrogen-free water.

37. (Previously Presented) The method according to claim 17, wherein the hydrogel

comprises at least 90% by weight pyrogen-free water or saline solution.

38. (Previously Presented) The method according to claim 17, wherein the hydrogel

comprises at least 75% by weight saline solution.

39. (Currently Amended) The method according to claim 17, wherein the hydrogel

has a complex viscosity of about 2 to 13[[25]] Pa s.

40. (Withdrawn) The prosthetic device according to claims 27 or 29 which is used for

treating arthritis or augmenting or replacing cartilage in the intra-articular cavity of a

joint.

41. (Withdrawn) The hydrogel according to claim 1, obtainable under conditions of

radical initiation and washing with pyrogen-free water or saline solution.

42. (Withdrawn) The hydrogel according to claim 1, comprising less than 3.5% by

weight polyacrylamide, based on the total weight of the hydrogel.

43. (Withdrawn) The method according to claim 16, wherein the hydrogel comprises

less than 3.5% by weight polyacrylamide, based on the total weight of the hydrogel.

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44. (*Withdrawn*) The hydrogel according to claim 1, obtainable by combining acrylamide and methylene-bis-acrylamide in amounts so as to give about 0.5 to 25% by weight acrylamide, based on the total weight of the hydrogel.